

**SYSTEM AND METHOD
FOR MANIPULATING HAVi
SPECIFICATION VIRTUAL KEY DATA**

5 **ABSTRACT OF THE INVENTION**

Methods are provided for the maintaining
HEventRepresentation virtual keys in a device using HAVi
specification protocols. The first method comprising: from a HAVi
level two (L2) graphical user interface (GUI), accessing a JAR file; and,
10 in response to accessing the JAR file from read only memory (ROM),
retrieving virtual key information as a static class or data array. The
second method comprises: from a HAVi L2 GUI, accessing a Java
input/output (I/O) ResourceBundle; and, in response to accessing the
ResourceBundle, retrieving virtual key information stored in an I/O
15 device such as a hard disk or Flash memory. The third method
comprises: from a HAVi L2 GUI, calling a Java native interface (JNI);
at the JNI, using Java byte codes to call a storage driver; from the
storage driver, accessing a mapped memory stored in binary format in
an electrically erasable programmable read only memory (EEPROM);
20 and, in response to accessing the mapped memory, retrieving virtual
key information.